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Alpha 1 Antitrypsin, Human Plasma recombinant protein

Alpha-1 protease inhibitor, Alpha-1-antiproteinase, Serpin A1, AAT, PI

Catalog # PBV10918r

Specification

Alpha 1 Antitrypsin, Human Plasma recombinant protein - Product info

Primary Accession	P01009
Calculated MW	52 kDa KDa

Alpha 1 Antitrypsin, Human Plasma recombinant protein - Additional Info

Gene ID	5265
Gene Symbol	Serpin A1

Other Names
Alpha-1 protease inhibitor, Alpha-1-antiproteinase, Serpin A1, AAT, PI

Gene Source	Human
Source	Human Plasma
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	No
Results	≥ 5.0 IU/mg

Target/Specificity
Serpin A1

Application Notes
In water or aqueous buffer

Format
Lyophilized

Storage
-20°C; Lyophilized from 30 mM Na Phosphate, pH 6.5 with 300 mM NaCl.

Alpha 1 Antitrypsin, Human Plasma recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Alpha 1 Antitrypsin, Human Plasma recombinant protein - Images

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Alpha 1 Antitrypsin, Human Plasma recombinant protein - Background

Alpha 1 Antitrypsin is an acute-phase plasma protein found at 290 mg per 100 ml. It functions as a serine protease inhibitor with targets like elastase, plasmin, collagenase, thrombin, leucocyte proteases, trypsin, chymotrypsin, and plasminogen activator. Clinically, its deficiency is associated with two major diseases: pulmonary emphysema and early onset/juvenile hepatic cirrhosis. It is elevated in inflammatory conditions, malignancies, liver disease and pregnancy and also after surgical trauma and use of oral contraceptives. The simultaneous quantitative determination of alpha-1-PI and ceruloplasmin permits differential diagnosis of liver afflictions. Rise in alpha 1 antitrypsin occurs as an acute phase response to tissue necrosis and inflammation.

Alpha 1 Antitrypsin, Human Plasma recombinant protein - References

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